

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: January 10, 1996
Date Received: January 4, 1996
Project: Metro Self Monitor, PO #M51832
Date Samples Extracted: January 4, 1996
Date Extracts Analyzed: January 5, 1996

**RESULTS FROM THE ANALYSIS OF THE PROCESS WATER SAMPLE
FOR CHROMIUM, COPPER, NICKEL, AND ZINC BY ICP (6010)**

Samples Processed Using Method 3005

Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M51832	0.96	1.0	1.4	0.09
Method Blank	<0.05	<0.05	<0.05	<0.05

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

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Project: Metro Self Monitor, PO #M51832

**QUALITY ASSURANCE RESULTS
FOR CHROMIUM, COPPER, NICKEL, AND ZINC
Samples Processed Using Method 3005**

Laboratory Code: 65580 (Duplicate)

Analyte:	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.96	0.95	1	0-20
Copper	mg/L (ppm)	1.0	0.96	4	0-20
Nickel	mg/L (ppm)	1.4	1.4	0	0-20
Zinc	mg/L (ppm)	0.09	0.09	0	0-20

Laboratory Code: 65580 (Matrix Spike)

Analyte:	Reporting Units	Spike Level	Sample Result	% Recovery MS MSD		Acceptance Criteria	Relative Percent Difference
Chromium	mg/L (ppm)	5	0.96	88	92	80-120	4
Copper	mg/L (ppm)	5	1.0	88	87	80-120	1
Nickel	mg/L (ppm)	10	1.4	86	95	80-120	10
Zinc	mg/L (ppm)	5	0.09	91	101	80-120	10



Laboratory Code: Spike Blank

Analyte:	Reporting Units	Spike Level	% Recovery MS	Acceptance Criteria
Chromium	mg/L (ppm)	5	105	80-120
Copper	mg/L (ppm)	5	97	80-120
Nickel	mg/L (ppm)	10	107	80-120
Zinc	mg/L (ppm)	5	113	80-120

KNJ AI
01.04.96
7:45

Send Report To: Alaska Copper Work Contact GERARD Thompson
Company 628 Grand St
Address Seattle
City, State, Zip WA 98134
Phone # (206) 382-8779 Date 1-4-95

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	GERALD Thompson	A.C.W.	1/4/96	1:37pm
Received by: 	KURT Johnson	FBI, I	1/4/96	1:37PM
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3012 16th Avenue West
Seattle, WA 98119-2029
FAX: (206) 283-5044

January 10, 1996

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on January 4, 1996 from your Metro Self Monitor, PO #M51832 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kurt Johnson
Chemist

keh
Enclosures
FAX: 382-7335
ACU0110R.DOC

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January 10, 1996

INVOICE # 96ACU0110-1
DUPLICATE COPY

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO #M51832: Results of testing requested by
Gerry Thompson, Project Manager for material submitted on January 4,
1996.

1 process water sample analyzed for Chromium,
Copper, Nickel, and Zinc @ \$65 per sample

\$ 65.00

Amount Due

\$ 65.00